



ARC OVER

AUGUST 2025



The Official Newsletter of the Fox River Radio League
101 Years of continuous service to our communities

1924  2025

Who We Are

President:

Kermit Carlson W9XA

Vice President:

Dan Nolan WA9FRY

Secretary:

Art Shuter NN9I

Treasurer:

Dan Harmon WA9YKK

Director :1

Will Sperling W9WSS

Director: 2

Pat Brod K9ANL

Director 3

Paul Mitchell KC9SEB

Director 4

John Greusel KC9OJV

Past President:

Terry Todd W9AUV

Programs:

Paul Mitchell KC9SEB

Education / VE:

Dan Nolan WA9FRY

License Trustee (W9CEQ):

Kermit Carlson, W9XA

License Trustee (W9NE):

Denny Barfuss W9HI

Newsletter Editor:

Jerry Chapman N9JLC

Webmaster:

Mark Van Daele K9MEV

Membership Database:

Curt Sauer, W9YNP

Net Coordinator:

Curt Sauer, W9YNP

About Us

The Fox River Radio League, Inc. is a general interest Amateur Radio club serving the central Fox River Valley area in Illinois. Club records indicate the club has been in existence since at least 1924, and it has functioned continuously ever since. We are an ARRL Special Service Club, an Illinois not-for-profit corporation, and a 501(c)(3) tax exempt organization as specified in Federal IRS Statutes.

We sponsor training classes for those seeking a new or upgraded Amateur Radio license, license examination sessions, and participation in various local Public Service events. Our membership covers a broad variety of interests - if you have a specialized amateur radio interest, you will likely find camaraderie with one or more of our club members.

We meet on the 2nd Tuesday of every month at Bethany Lutheran Church, located at 8 S. Lincoln St. in Batavia, Ill. The meeting begins at 7:30 PM and includes a short business portion, social time and a program presentation of interest.

Meetings are open to the public. Anyone interested in the amateur radio hobby are invited to attend. Family members are welcome.

Join Us
On
Facebook



Fox River Radio League

Mailing Address:

P. O Box 673

Batavia, IL 60510-0673

Email: info@frrl.org

Website: <http://www.frirl.org>





From
the desk
of....

FRRL President



Kermit Carlson

A Tale of Two... Commercial Spectrum Grabs.

The spectrum that we as amateurs have access to is now subject to yet another pair of spectrum grab.

Since very few hams use 902-928 MHz the petition from NextNav has probably gone unnoticed. NextNav seeks changes in the rules that would accommodate new possibilities for their license in 15 Mhz of that band - now shared with Part 15 unlicensed ISM (Industrial Scientific and Medical) users.

The primary user of the band is the 900 MHz Location and Monitoring service, of which NextNav is a licensee. However NextNav is proposing a reconfiguration of the rules that govern the spectrum use in that band.

NextNav proposes to provide much higher-powered traditional broadband and 5G cellular services as well as the related location service occupying 15 of the total 26 megahertz available in the band. The reconfiguration proposed by NextNav would create a 5-megahertz-wide uplink subband at 902-907 MHz paired with a 10-megahertz downlink subband at 918-928 MHz. So far comments at the FCC are running about 250-to-1 against this plan...

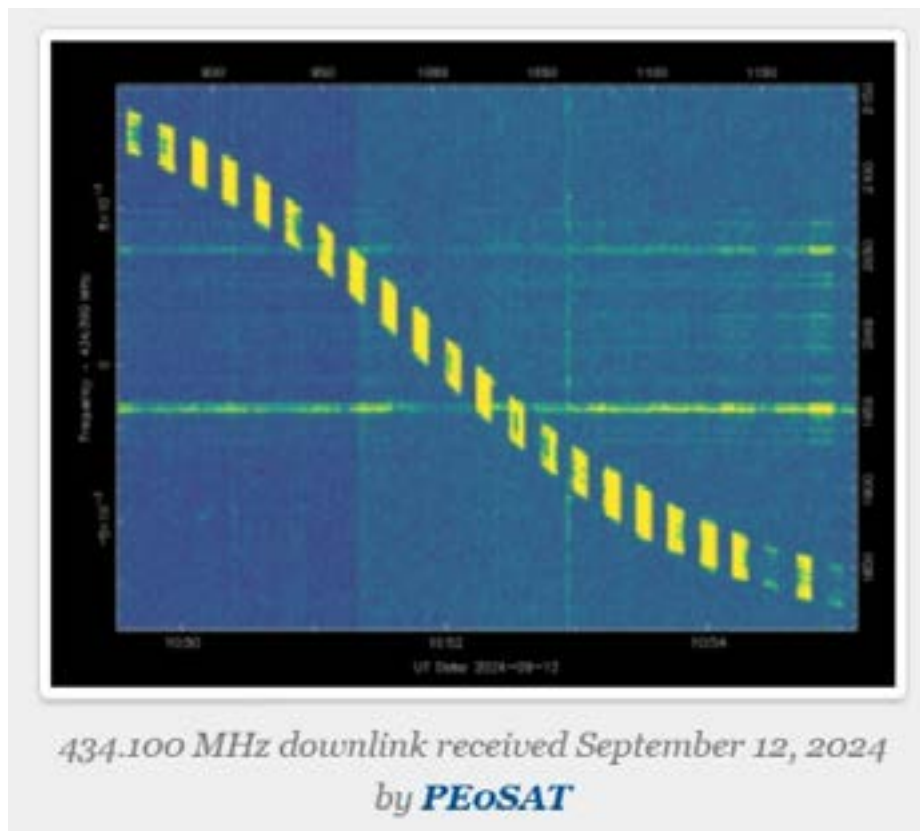
If you are not a 900 MHz user - there is ANOTHER proposal !

A commercial space company, "AST & Science LLC " (AST SpaceMobile) is petitioning the FCC to take over amateur radio spectrum in the 70cm band for commercial use! Since Satellites involve more service area than just the USA, this has caught the attention of the Amateur Satellite community world wide.

The following excerpts are from AMSAT-UK ;

" They already have 5 satellites in orbit and plan to launch 243 more using the 430 - 440 MHz range. AST & Science LLC (AST SpaceMobile) currently has five Bluebird commercial satellites that use the amateur radio 430-440 MHz band. They were launched into Low Earth Orbit on September 12, 2024. Despite not being amateur satellites the first five commercial satellites use these amateur frequencies for telemetry links with a 50kHz bandwidth: [430.5, 432.3, 434.1, 435.9 and 439.5 MHz.](#) "





screen grab from Amsat-UK.org

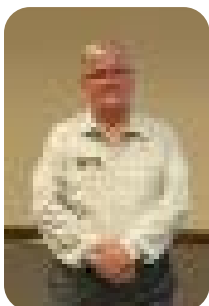
According to AMSAT-UK, "AST SpaceMobile are planning to launch a further 243 satellites also using 430-440 MHz for TT&C. AST SpaceMobile say each UHF TT&C beam will support one command channel and one telemetry channel and the channel bandwidth will be between 64 kHz and 256 kHz. "

This proposal is most troubling in light of the current changes in spectrum management under consideration by the FCC; In a recent interview the Chief of the FCC's Space Bureau, Jay Schwarz, which he gave to the American Enterprise Institute (AEI). According to AMSAT-UK, his views, " did reflect the new thinking at the FCC about getting rid of "outdated assumptions about system design and spectrum use". "

There is no doubt that we will continue to see real pressure of re-assignment of our spectrum, these are the most recent two examples that will pit the interest of amateur radio against commercial interests interested in BUYING spectrum from our government.

Stay tuned.....

73, Kermit W9XA





ARC OVER

FOX RIVER RADIO LEAGUE MEMBERSHIP MEETING MINUTES

July 8, 2025

Minutes of the Regular Meeting of the **General Membership** of the Fox River Radio League (FRRL) an Illinois not-for-profit Corporation

FRRL July 8, 2025 Membership Meeting was held at the Bethany Lutheran Church Batavia, IL. There were 46 members attending in person and 6 on Zoom.

Board Members and Directors Present

President- Kermit Carlson W9XA

Vice President-Dan Nolan WA9FRY (excused absence)

Treasurer, Dan Harmon WA9YKK

Secretary, Art Shuter NN9I

Director, Will Sperling W9WSS

Director, Paul Mitchell KC9SEB

Director, John Greusel KC9OJV

Director, Pat Brod K9ANL

Past president, Terry W9AUV

The meeting was called to order by Kermit W9XA at 7:30 pm CST at Bethany Lutheran Church, Batavia, IL.

Pledge of Allegiance

Approval of June Meeting Minutes: Motion to accept Mike K9FE with 2nd by Dean KC9EOQ. Motion passed.

Treasurer's Report Dan WA9YKK: Dan reported the bank account balances

As of July 7, 2025.

Club Activities: Paul KC9SEB (Reported by Kermit) – Tonight's program will be a presentation by Kirk K9MSG on portable operation. August program will be about receivers offered by Paul KC9SEB and John KC9OJV.

Membership/Database – Curt W9YNP: We now have 178 members.



Newsletter – Jerry N9JLC: Tuesday August 5th will be a celebration of National Night Out. The BOD's meeting will be moved to Wednesday night August 6th at Ramondo's in North Aurora. Repeaters – Kermit W9XA- Repeaters are operating well. VE Update – Denny W9HI -Dan WA9YKK will be in charge of the VE session this month.

Field Day – Patrick K9ANL / Greg WB0OET: Patrick K9ANL reported that Field Day was a success and thanks to all who helped. Denny W9HI talked about all the stations involved in Field Day.

Repeaters- Kermit W9XA- Repeaters working well.

OLD BUSINESS:

Club Area ADHOC Committee: Kermit W9XA, John KC9OJV, Dan WA9YKK, Dan WA9FRY, Denny W9HI and Pat K9ANL will be part of an informal group to investigate a club Workshop/Storage Location. Kermit will chair this committee.

Club Storage Area: Club storage will remain the same for now.

Scouting – Scouting Meeting in August – Kirk Musselman K9MSG

VE Testing – Geneva – July 17

Newsletter deadline – July 20

Board Meeting: - August 6

Membership Meeting – August 12

Illinois QSO Party – October 19

Motion to adjourn moved by Marty N9NTM with 2nd by Kenneth N9WCX. Meeting adjourned at 7:55 PM CST.

Respectfully submitted,

Art Shuter – FRRL Secretary













NAME	CALL	LICENSE CLASS
Glenn Conrad	KE9CTL	Tech
Daniel Kaye	KE9CWM	General
Stephen Rauter	N9ATO	General



August 2025

**FOX
RIVER
RADJO
LEAGUE**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3 INFORMAL ALL OPR NET 1900	4 	5 1900 FRRL BOD Meeting 1930 FRRL 2m Net	6 1930 FRRL 220 Net 223.86 - 110.9	7	8	9
10 INFORMAL ALL OPR NET 1900	11 CW NET 28.150 2000  SSB NET 28.720 2030	12 1930 FRRL Membership Meeting No Net	13 1930 FRRL 220 Net 223.86 - 110.9	14	15	16
17 INFORMAL ALL OPR NET 1900	18 CW NET 28.150 2000  SSB NET 28.720 2030	19 	20 1930 FRRL 220 Net 223.86 - 110.9 NEWSLETTER DEADLINE	21	22	23
24 INFORMAL ALL OPR NET 1900	25 CW NET 28.150 2000  SSB NET 28.720 2030	26 1930 FRRL 2m Net	27 1930 FRRL 220 Net 223.86 - 110.9	28	29	30
31 INFORMAL ALLOPR NET 1900				MEMBER MEETING BETHANY LUTHERAN CHURCH 8 SOUTH LINCOLN ST. BATAVIA IL		
 WCRA 2m Net 8pm 145.31 -6 107.2	 VARA 2m Net 8pm 146.79 -6 107.2	 FRRL 2m Net 7:30pm 147.21 +6 103.5	 Kane County ARES 2m Net 6:30pm 145.47 -6 103.5	 Northern Illinois ARRL 70cm Net 7:30pm 444.875 +5MHz, 114.8		



ARC OVER

NEWS AND INFORMATION CENTER

Local - National - International



On Tuesday night, July 15th, the Fox River Radio League held its weekly radio net, welcoming 28 participants. The net ran smoothly and lasted an hour !! The strong turnout reflected the continued engagement and enthusiasm of the FRRL membership.



Ham Aid provides Amateur Radio equipment for loan to amateur radio operators during disasters. The intent is to assist groups on-site, serving communities and residents during emergencies. Requests must be made by the ARRL Section Manager or designee, approved by an ARRL officer.





National Night Out is a vibrant community event held annually on the first Tuesday in August, where millions of neighbors nationwide come together to promote safety and community spirit. The event features a variety of activities such as safety demonstrations, seminars, youth-focused events, visits from emergency personnel, exhibits, and more, fostering stronger community bonds and cooperation with local safety and law enforcement agencies across all fifty states, U.S. territories, and military bases worldwide. If you're interested in participating in this "mini field day"...

Contact [Jerry Chapman](#) for Elburn

or

[Dan Harmon](#) for Campton Hills



Supporting the Fox River Radio League and amateur radio is a great way to connect with others, share knowledge, and promote the hobby. !!



Great Numbers Stacking Up for 2025 ARRL Field Day

07/11/2025

The numbers for 2025 ARRL Field Day continue to grow. As of today, July 10, 3227 entries have been received and each day the list gets bigger, according to ARRL Contest Program Manager Paul Bourque, N1SFE. "Get those entries in!" he encouraged. The deadline is July 29.

It was a big year for ARRL Field Day on social media. 260 public posts across several platforms used the hashtag #ARRLFD. That doesn't even cover posts in groups or on private pages. The public posts alone reached 3.5 million viewers.

There was also significant growth in news media coverage of 2025 ARRL Field Day. Using ARRL's media monitoring suite, staff was able to track that amateur radio public information volunteers generated \$37.5M in ad value equivalence (AVE) year-to-date around ARRL Field Day alone. That's a metric that tracks the amount of money that would have to be spent to buy advertisements that get the same number of viewers that news stories or "earned media" did.

That's up from \$18M in 2023 and \$20M in 2024. There were 1,810 media mentions of ARRL Field Day year-to-date, a 70% increase from 2024.

"We're hearing from clubs that were featured in coverage that people have been calling and wanting to get into amateur radio," said ARRL Public Relations and Outreach Manager Sierra Harrop, W5DX. "It shows that the outreach value of ARRL Field Day is significant."



Amateur Radio Volunteers Serving During Texas Floods

07/09/2025

Volunteer amateur radio operators serving in the ARRL The National Association for Amateur Radio® (ARRL®) Amateur Radio Emergency Service® (ARES®) are embedded with local served agencies in the areas of central Texas affected by devastating floods.

The needs and assignments have been changing, but ARES volunteers are stepping up to the dynamic needs of their communities. "This is a very fluid situation. It changes by the hour," said ARRL South Texas Section District 7 Emergency Coordinator Terry Jones, K5LGV.

The trained ham radio operators were activated starting on Friday, July 4, 2025. Radio amateurs are providing communications capabilities to agencies whose primary systems were damaged in the flooding event or where they suffer poor connectivity due to the terrain.

ARES members helped the American Red Cross with setup of a reunification shelter in response to the floods. Ten hams were assigned to search-and-rescue teams.

Dozens of health and welfare messages were passed by ham radio operators who provided a critical link when phone lines were overwhelmed. "A lot of this is tied to circuit overload preventing folks from making direct contact with family members in the area," said Kevin McCoy, KF5FUZ.

During the flooding event and subsequent search and recovery missions, ARES members have been deployed to serve many different counties, including hard-hit Kerr and Kendall Counties. Mutual aid has been offered between several surrounding ARRL sections.

The Amateur Radio Emergency Service (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment with their local ARES leadership, for communications duty in the public service when disaster strikes.

Amateur radio operators use their training, skills, and equipment to provide communications during emergencies When All Else Fails®. Hams serve their communities when storms or other disasters damage critical communication infrastructure, including cell towers, and wired and wireless networks. Amateur radio can function completely independently of the internet and phone systems. An amateur radio station can be set up almost anywhere in minutes. Hams can quickly raise a wire antenna in a tree or on a mast, connect it to a radio and power source, and communicate effectively with others.



Safety Stand-Down: Look Up and Live

07/17/2025

By Sierra Harrop, W5DX

ARRL Public Relations and Outreach Manager

Electricity is a killer. About 150 people die each year at work from contact with electricity, according to the Electrical Safety Foundation International. Half of those are from contact with power lines. That data is just workplace deaths, so recreational and public service volunteering aren't even accounted for.

In a recent article, ARRL New Mexico Section Manager Bill Mader, K8TE, shared safety concerns and processes that can be implemented at ARRL Field Day sites. I'd like to share a simple phrase that may enhance your situational awareness: Look up and live.

"Look up and live" was drilled into me and every other television news employee who worked with electronic news gathering vehicles that had a pneumatic mast or satellite dish. It was the title of an industry-standard safety video published by the National Press Photographers Association.

In TV news, where I spent the first two decades of my professional career, there was always a deadline and often a tremendous sense of urgency at the scene of breaking news to get a live shot up first. Before the days of bonded cellular internet streaming, we used radio – microwave and satellite – to take viewers to the scene.

No matter the pressure from news managers, safety was paramount. When we approached a scene, we made sure to park the live truck at least 10 feet away from overhead wires to comply with regulations. My personal minimum was two truck-lengths from any lines, ideally a whole mast-length. If I had a 58-foot mast, I'd try to park at least 58 feet away from the nearest power line.

Identifying overhead lines was ritualistic: As I arrived, I got out of the vehicle, walked 20 feet away, looked up and walked around the entire perimeter of the truck while deliberately searching for overhead lines and obstructions. This additional 45-second process could feel like an eternity when news was unfolding dramatically for me to capture and report – but I couldn't go live if I was dead.

In pursuit of our amateur radio hobby, we should apply even more diligence. There's no pressure to get on for a ham radio activation. Take your time, walk around, be diligent. Look up and live.

Portable masts, vertical antennas, wire antennas slung up into a tree – anything you put up can become energized if it contacts an overhead wire. Do not take chances. Even what appears to be a phone or fiber line could be carrying lethal voltages. Do not become the path to ground.

One additional tip that I hope never applies to a radio amateur: Should a vehicle you're in become energized by a fallen line or a mast erected into power lines, do not leave it unless it is on fire. Call for help via phone or ham radio. Yell at any bystanders to not approach your vehicle. Electricity spreads out from a path to ground in concentric rings of decreasing voltage. Being in contact with different voltages is what will kill you. If a fire requires you to exit, carefully jump clear of the vehicle so as to not contact the vehicle and ground simultaneously. Be mindful of your movements: "Bunny hop" with your feet together or shuffle your feet on the ground in small increments without lifting either of them. Do not provide a path between the different potentials by walking normally or by falling and catching yourself with your hands.

Please be careful when erecting portable gear within the wires environment. Remember: Look up and live.

Tripp Owens, N4NTO, a well-regarded POTA activator died on Friday, July 4th, when, according to investigators, his antenna mast made contact with an overhead power line at the Chicora Civil War Cemetery near the Avera'sboro [pron: aver-us-burro] Battlefield Historic Site, US-11375. According to several local news reports, emergency crews were called to the scene after Tripp was found unconscious in the parking lot. One news report said that fire crews found him with his foot touching the mast beneath the power lines. Power company crews turned off the power to give the responders access. Tripp was pronounced dead at the scene.



What is the minimum safe distance from a power line to allow when installing an antenna?

A. Add the height of the antenna to the height of the power line and multiply by a factor of 1.5

B. The height of the power line above ground

C. 1/2 wavelength at the operating frequency

D. Enough so that if the antenna falls, no part of it can come closer than 10 feet to the power wires

Antenna Safety Advisory

The following general recommendations are made to insure your safety during the installation of a communications antenna. The material that follows should be considered as an important supplement to the specific directions supplied by the manufacturer of the antenna.

- If you are installing or dismantling your antenna for the first time, seek professional assistance. If you are unsure of your competency regarding the installation, it is best to seek the help of a qualified professional antenna or tower installer.

- Read the manufacturer's directions and this advisory in full before proceeding.

- The installation or dismantling of any antenna near power lines is dangerous. Each year hundreds of people are killed or injured while attempting to install or dismantle an antenna. In many cases, the victim was well aware of the dangers, but did not take adequate steps to avoid the hazards. For your safety and proper antenna installation, read and follow all safety precautions.

- Choose an installation site for safety as well as performance. REMEMBER - ALL ELECTRIC POWER LINES AND TELEPHONE LINES LOOK ALIKE. FOR SAFETY SAKE, ASSUME ANY OVERHEAD LINE CAN KILL YOU. Do not place an antenna where it could potentially fall on to, or blow into a power line. To determine the SAFE DISTANCE follow these steps:

- Determine the proposed height of your antenna.
- Add the antenna length and the length of your tower mast.
- Double the figure.

Your answer will be the minimum safe distance (in feet) from the nearest power line that you should install your antenna.

- Call the Power Company. Let them review your site. This might seem like an inconvenience, but a few hours with the Electric Company may help avoid a fatal accident. Play it safe. Never dig without contacting the utility companies.

- Never use a utility pole as a support for an antenna or guy wire. Never climb a utility pole.

- Outdoor antennas should be grounded with an approved lightning arresting device. Local codes may apply. The radio should also be grounded to an earth ground to help protect both the radio and its user. Do not use hot water pipes or gas lines as a ground source.

- Height or other restrictions on antennas may apply to your installation depending on your proximity to an airport, or local ordinances.

- Take the time to plan your installation procedure. Each person should have assigned tasks. A foreman or "boss" should be chosen to call out instructions and watch for signs of trouble.

- Dress properly with rubber soled shoes, rubber gloves, and long sleeve shirt. Use an approved safety belt.

- Do NOT work on a wet, snowy or windy day or if a thunderstorm is approaching.

- Do NOT use a metal ladder.

- If the assembly starts to drop... get away from it and let it fall. Remember that the antenna mast, cable, and guy wires are all excellent conductors of electrical current.

- If any part of the antenna should come in contact with a power line... DONT TOUCH IT OR TRY TO REMOVE IT YOURSELF. Call your local power company immediately. They will remove it.

- Should an electrical accident occur... DONT TOUCH THE PERSON IN CONTACT WITH THE POWER LINE, or you too can become electrocuted. Instead, use a DRY board, stick, or rope to push or pull the victim away from the power lines and antenna. Once clear, check the victim. If he has stopped breathing, immediately administer cardiopulmonary resuscitation (CPR) and stay with it. Have someone else call for medical help.

- Remember that guyed towers are NOT self supporting at any height. If your antenna installation includes towering, read the additional advisory on towers.

- Install wire antennas high enough that they will not be "scalped into" by people.

- Do not install wire antennas over or under utility lines.



Membership rates are as follows:

REG: Regular dues are \$30.00 per year,

FAM: Family dues are \$40.00 per year (family members at the same address)

SRC: Senior Citizen dues (65 and older) are \$25.00 per year,

STU: Student (Full time, under 22) dues are \$25.00 per year.

MIL: Active Military dues are \$25.00 per year.

You can also help support the FRRL Repeaters by making a \$10.00 (or more!) annual contribution.

[Click Here](#)



MEMBERSHIP RENEWAL *Annual Dues*



FRRL commemorative glasses are still available for \$5..



A very nice glass to have on hand to celebrate
NATIONAL AVIATION DAY !!



Please use this link to enjoy the pictures from the 100th Anniversary Banquet.

100th Anniversary Celebration Banquet Photos - Sept 10, 2024



[Click Here](#)



	Park Number	Park Name	POTA Park #	Activated
1.	225	Silver Springs State Fish & Wildlife Area	US-1024	<input type="checkbox"/>
2.	47	Channahon State Park	US-0987	<input type="checkbox"/>
3.	123	Kankakee River State Park	US-1004	<input type="checkbox"/>
4.	113	Iroquois County State Wildlife Area	US-4132	<input type="checkbox"/>
5.	57	Delabar State Park Des Plaines Fish & Wildlife Area	US-0988	<input type="checkbox"/>
6.	89	Goose Lake Prairie State Natural Area	US-7638	<input type="checkbox"/>
7.	155	Mazonia/Braidwood State Fish & Wildlife Area	US-4142	<input type="checkbox"/>
8.	99	Heldecke Lake State Fish & Wildlife Area	US-12184	<input type="checkbox"/>
9.	83	Gebhard Woods State Park	US-0995	<input type="checkbox"/>
10.	263	William G. Stratton State Park	US-1032	<input type="checkbox"/>
11.	109	Uni State Park	US-0999	<input type="checkbox"/>
12.	235	Starved Rock State Park	US-1027	<input type="checkbox"/>
13.	33	Buffalo Rock State Park & Effigy Mound	US-0982	<input type="checkbox"/>
14.	151	Matthiessen State Park	US-1009	<input type="checkbox"/>
15.	61	Donnelley/Dupue State Park	US-0990	<input type="checkbox"/>
16.	91	Green River State Wildlife Area	US-4126	<input type="checkbox"/>
17.	101	Hennepin Canal Parkway State Park	US-0997	<input type="checkbox"/>
18.	119	Johnson-Sauk Trail State Park	US-1002	<input type="checkbox"/>
19.	153	Martino State Fish & Wildlife Area	US-4141	<input type="checkbox"/>
20.	185	Prophetstown State Recreation Area	US-4100	<input type="checkbox"/>
21.	171	Morrison-Rockwood State Park	US-1013	<input type="checkbox"/>
22.	161	Mississippi Palsades State Park	US-1010	<input type="checkbox"/>
23.	15	Apple River Canyon State Park	US-0978	<input type="checkbox"/>
24.	133	Lake Le-Aqua-Na State Park	US-1005	<input type="checkbox"/>
25.	261	White Pines State Park	US-1031	<input type="checkbox"/>
26.	145	Lowden State Park	US-1008	<input type="checkbox"/>
27.	41	Castle Rock State Park	US-0984	<input type="checkbox"/>
28.	79	Franklin Creek State Natural Area	US-4123	<input type="checkbox"/>
29.	217	Shabbona Lake State Park	US-4103	<input type="checkbox"/>
30.	131	Kishwaukee River State Fish & Wildlife Area	US-10391	<input type="checkbox"/>
31.	115	James "Pate" Philip State Park	US-1001	<input type="checkbox"/>
32.	249	Volo Bog Natural Area	US-4160	<input type="checkbox"/>
33.	167	Moraine Hills State Park	US-1012	<input type="checkbox"/>
34.	45	Chain O'Lakes State Park	US-0986	<input type="checkbox"/>
35.	11	Adeline Jay Geo-Karis Illinois Beach State Park	US-1000	<input type="checkbox"/>
36.	265	William W. Powers State Recreation Area	US-4107	<input type="checkbox"/>

Amateur Radio



/



Parks On The Air



Page14

List Provided by
Rob Pothoff N9RLP

Note: blue underline text will not go
to website

How To Order Club Badges

Club name tag are done by: Image Awards
1031E State Street
Geneva IL

You can email your order to: ImageAwards@SBCglobal.net

**** If using a credit card there is a 5% surcharge****



**Ask for the FRRLname badge
and**

Don't forget to give them your name & call sign

Question 1:

Why should you avoid attaching an antenna to a utility pole?

- A. The antenna will not work properly because of induced voltages
- B. The 60 Hz radiations from the feed line may increase the SWR
- C. The antenna could contact high-voltage power lines
- D. All these choices are correct



Question 2:

What is the purpose of a safety wire through a turnbuckle used to tension guy lines?

- A. Secure the guy line if the turnbuckle breaks
- B. Prevent loosening of the turnbuckle from vibration
- C. Provide a ground path for lightning strikes
- D. Provide an ability to measure for proper tensioning

Answers On
Last Page

FRRL Groups.io Group Message Board

By Curt Sauer W9YNP

The FRRL has an active mailing list group on Groups.io. Members in good standing are eligible to join the mailing group. You should receive an invite upon joining the group to the email listed in your application. Your active club membership is required to be a member of our Groups.io group.

The group provides the following features:

Messages/Mailing List

View the calendar

Access to files including the club Bylaws and Membership Roster

Access to photos submitted by members. Great for sharing projects you're working on!

How do I join?

When your FRRL club membership is confirmed you will receive an email invite from Groups.io. The club membership form requests an email to be used by the club or members to contact you for club or ham radio related subject. If you already have a Groups.io account under a different email and wish to combine them there is a second field for that email. If it is filled in, you will get the invite in that email.

When you join, you can choose a profile you'd like to display to the group, select the email address at which you'd like to receive group messages, choose how you receive group messages, and more. You can receive messages via email or by reading the message boards within the group.

If you have questions or changes please contact the Group Administrator: [GroupAdmin \[at\] frrl.org](mailto:GroupAdmin[at]frrl.org).

[GOUPS.IO - It's more than just messages.](#)

When you first login to your groups.io account, at <https://groups.io>, you will be presented with a list of the groups that you belong to.

Click on FRRL|Members

You will now see the groups messages in the right window pane and the navigation pane on the left.

Messages are the bulk of what we share and there are a lot of them. The web page has a very useful search function to find exactly what you want.

The following are a few sections that some members may not be aware of.

Photos:

Members may share photos of Ham related activities here.

Show us a picture of your shack or your latest restoration/repair.

As long as it's Ham Radio related you can put a pic here.

Just click on the "New Album" button to add your photos.

Calendar:

This doesn't have much in it at the moment, just meeting and Net reminders, but more is planned.

Files:

This is where the important things are stored.

Example, the club roster is located in a directory called "Roster_and_ByLaws"

If you can't sleep and want to read the club's ByLaws, they are here as well.

Many of the presentations given after the meetings are also here.



Between GROUPS.IO and the club web page at <https://frrl.org> you are sure to find the FRRL information that you are looking for.



W9CEQ Radio Nets



Sunday

All Operators Net
1900 hrs (7pm) local time
147.21 103.5PL +600

Monday

1930 hrs (7:30pm) local time 28.420 USB Phone
2000 hrs (8pm) local time 28.150 CW
2030 hrs (8:30 pm) local time 28.720 USB Phone



**The City of Lights
Chapter of Ten-Ten
International**



Tuesday

1930 (7:30 pm) local time
147.21 103.5PL +600

Except for the 2nd Tuesday of the month



Wednesday

1930 hrs (7:30pm) local time
223.860 110.9kHz PL -1.6Mhz

We will have an informal net with checkins and a question of the day. The goal of the net is to encourage 220 usage along with getting to know your fellow 220 Mhz users so that we can exchange usage and coverage data to ensure that we have one of the best 220 repeaters in the area.





Technician Class

Wednesday Evenings
6:30 P.M. to 9:30 P.M.

Start: TBD
End:

Tech & General classes are done on **Zoom**. The Meeting Link to be distributed prior to the class.

EXTRA classes are held in person at:



MESSENGER
PUBLIC LIBRARY OF NORTH AURORA

113 Oak St, North Aurora, IL 60542



General Class

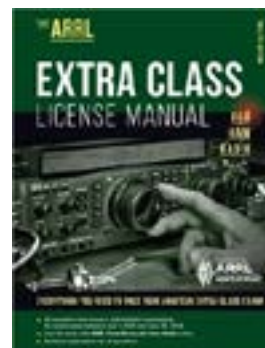
Wednesday Evenings
6:30 P.M. to 9:30 P.M.

Start: TBD
End:

Extra Class

Saturday Mornings
9:00.AM. to 12:30 P.M.

Start: TBD
End:



The Fox River Radio League (FRRL) presents regular training classes focused toward new Amateurs interested in gaining their Technician class license or upgrading to the General and Extra class licenses.

These are free courses where you will learn everything you need to receive or upgrade to the appropriate FCC radio license.

The textbook for the class will be the official ARRL License Manual. Books are available for purchase through the ARRL website.

Classes are instructor-led, and you can expect engaging conversations to ensue around the topics of discussion.

In addition to our regularly scheduled bi-monthly testing we will be scheduling a dedicated VE session after discussing best availability with the class participants. For more information on VE sessions, please see [VE Test Sessions](#).



Please Note that Tech & General classes are 9 weeks long..

Extra classes are 12 weeks long.

You can contact Dan Nolan at:

Education@frrl.org

if you have any questions

Students should read the material in advance of the class. Also bring an inexpensive calculator like a TI-30 x and a notebook and pencil or pen.



VE Testing

The FRRL, in conjunction with the ARRL VEC, sponsors regular amateur examinations the third Thursday of every odd month. Ad-hoc sessions are planned during major events and will be added to the schedule here as well.

Upcoming Testing Schedule for **2025**

January 16
March 20
May 15
July 17
September 18
November 20

VE's Needed !!



Testing Location:
Geneva Lutheran Church
301 S 3rd St,
Geneva, IL 60134

Please also be sure to bring:

- Photo identification
- Your FCC generated FCC Registration Number (FRN).
- The fee of \$15.00. (The FRRL receives no portion of this fee.)
- If upgrading bring your original FCC HAM Radio License (or the documentation you received) and a photocopy of your license.

If you have questions about the testing program, please email the Chairman at: ve@frrl.org

Illinois Traffic Net



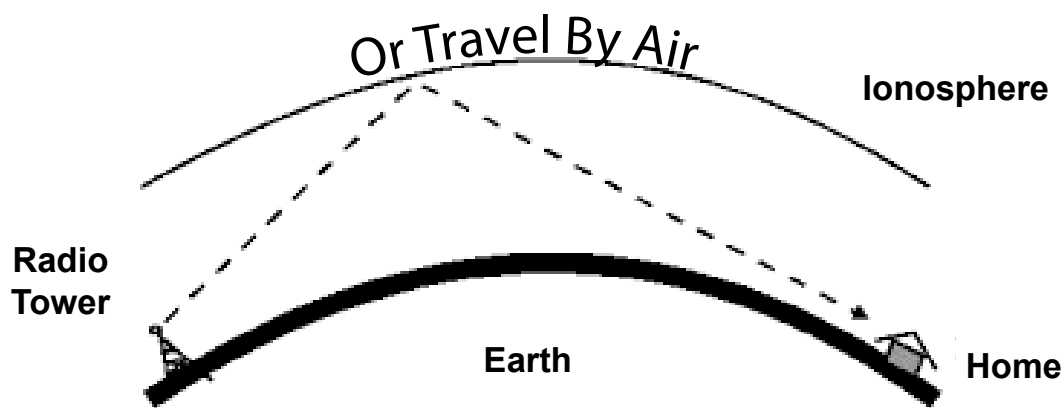
You can also participate in one (or all) of the Illinois Traffic Nets. Everyone is welcome with or without traffic. The nets are the North Central Phone Net, Daily (M-F) at 7 a.m. local time, on 3912 kHz LSB; the Illinois Phone Net, Monday – Friday at 4:45 p.m. local time, on 3857 kHz LSB and on Sunday at 8 a.m. on 3940 kHz; and the Illinois Sideband Net, Daily at 6 p.m. local time, on 3905 kHz LSB.

... .. / / / /





Date	Time	Event	Location	Sponsor	Cost	Talk-In	Notes
AUG 2, 2025	9:00AM - 2:00PM	Elkhart East Hamfest	N. IN Event Center, 21565 Executive Parkway, Elkhart, IN	Various	\$8 adult, under 12 free	147.330(+) 131.8pl	ncludes Recreational Vehicle Hall of Fame Admission
AUG 3, 2025	8:00AM - 1:00PM	Hamfesters Hamfest	Will County Fairgrounds, Peotone, IL	Hamfesters Ham Radio Club (W9AA)	\$10 door, \$8 in advance, under 12 free	146.52	Flea market opens at 6:00AM
AUG 23, 2025	8:00AM - NOON	Circus City Swapfest	3347 S Sand Road, Baraboo, WI	Yellow Thunder Amateur Radio Club (WB9FDZ)	\$5 door, \$10 tailgating	147.315 123.0pl	Grand prizes, door prizes, concessions
AUG 23, 2025	8:00AM - NOON	Davenport Hamfest/ Flea Market	5300 W Kimberly Road, Davenport, IA	Davenport Amateur Radio Club (W0BXR)	\$10 door, \$8 in advance, under 12 free	146.88 , -6 MHz, 77.0pl	Grand prize, free parking, license exams



Date	Sponsor	Notes
Aug 9, 2025	TOUR DE CURE St Charles, Illinois	With a start in beautiful Potawatomie Park along the Fox River, this bike ride offers routes of 5-miles, 12-miles, 27, miles, and 65-miles up and down the Fox River Valley. Amateur radio teams assist with communications on and alongside the route as they guide riders, monitor aid/rest stations, provide rider assistance, and keep organizers updated. To join the fun, 1) click HERE to inform Mike Wilson (N0MO) and Tim Wheeler (KC9YFI). at Ham Radio Chicago that you're going to join the fun, and then 2) complete this FORM .

Volunteering in amateur radio offers a multitude of benefits, catering to diverse audiences and providing valuable resources and opportunities. Here are some key reasons to get involved:

Personal Enjoyment and Hobby: Many find operating ham radio to be a fascinating hobby, offering opportunities to communicate with people around the world and experiment with different modes of communication.

- **Emergency Communication:** Ham radio operators often play a crucial role in emergency communication, providing a lifeline for emergency responders and communities during disasters.
- **Technical Learning:** Ham radio provides a hands-on way to learn about radio communication technology, electronics, antennas, and more.
- **Community and Social Connections:** Ham radio enthusiasts form a global community, participating in clubs, nets, and events to foster friendships and mentorship opportunities.
- **Public Service:** Many hams engage in public service activities, such as providing communications support for marathons, parades, and other community events.
- **Global Connectivity:** Ham radio allows communication without reliance on internet infrastructure or commercial networks, which can be valuable in remote or isolated areas.
- **Experimentation and Innovation:** Hams are encouraged to experiment with new technologies and techniques, leading to advancements in radio technology and communication protocols.
- **Personal Development:** Operating ham radio can enhance skills such as problem-solving, communication, and adaptability.
- **Learning and Teaching:** Many hams enjoy sharing their knowledge and mentoring newcomers to the hobby, fostering a culture of continuous learning.
- These reasons highlight the diverse benefits of volunteering in amateur radio, making it a rewarding and impactful activity for individuals and communities alike.



www.AmateurRadioEvents.com

The Radio Amateur's Code

The Radio Amateur is...

CONSIDERATE... He never knowingly operates in such a way as to lessen the pleasure of others.

LOYAL... He offers loyalty, encouragement and support to other amateurs, local clubs, the IARU Radio Society in his country through which Amateur Radio in his country is represented nationally and internationally.

PROGRESSIVE... He keeps his station up to date. It is well build and efficient. His operating practice is above reproach.

FRIENDLY... He operates slowly and patiently when requested; offers friendly advice and counsel to the beginner; kind assistance, cooperation and consideration for the interests of others. These are the marks of the amateur spirit.

BALANCED... Radio is a hobby, never interfering with duties owed to family, job, school or community.

PATRIOTIC... His station and skills are always ready for service to country and community

...adapted from the original Amateur's Code, Written by Paul M Segal, W9EEA, in 1928

✉ John Devoldere 0N4UN and Mark Demeuleneere 0N4WW

Taken from: [Ethics and Operating Procedures for the Radio Amateur.](#)

BRING BACK "RADIO IN THE PARK"

Harry Jones K9DXA" started "Radio in the Park" years ago. His idea was take your radio out to a local park and set it up and operate. Since we can't have any thing big, just take your rig, wear your mask, set up an antenna, radio and have fun.

The idea of this is bring ham radio to the public. Make a small sign with your name, call sign, and please add FRRL also. Would like some photo of your operation. May get someone to take a picture of you operating. Will try to get your picture into the news letter. Please send a short report to me at my FRRL address.

Director3@frrl.org



There are plenty of volunteer organizations that could use your radio skills.



Consider volunteering
you can make
the difference !!



American Red Cross



The Amateur Radio Emergency Service® (ARES) consists of licensed amateurs who have voluntarily registered their qualifications and equipment, with their local ARES leadership, for communications duty in the public service when disaster strikes. Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES. Training may be required or desired to participate fully in ARES. Please inquire at the local level for specific information. Because ARES is an amateur radio program, only licensed radio amateurs are eligible for membership. The possession of emergency-powered equipment is desirable, but is not a requirement for membership.

ARES

Every licensed amateur, regardless of membership in ARRL or any other local or national organization is eligible to apply for membership in ARES.

ARES Resources

• [Download the ARES Manual \[PDF\]](#)

• [ARES Field Resources Manual \[PDF\]](#)

• [ARES Standardized Training Plan Task Book \[Fillable PDF\]](#)

• [Emergency Communications Training](#)

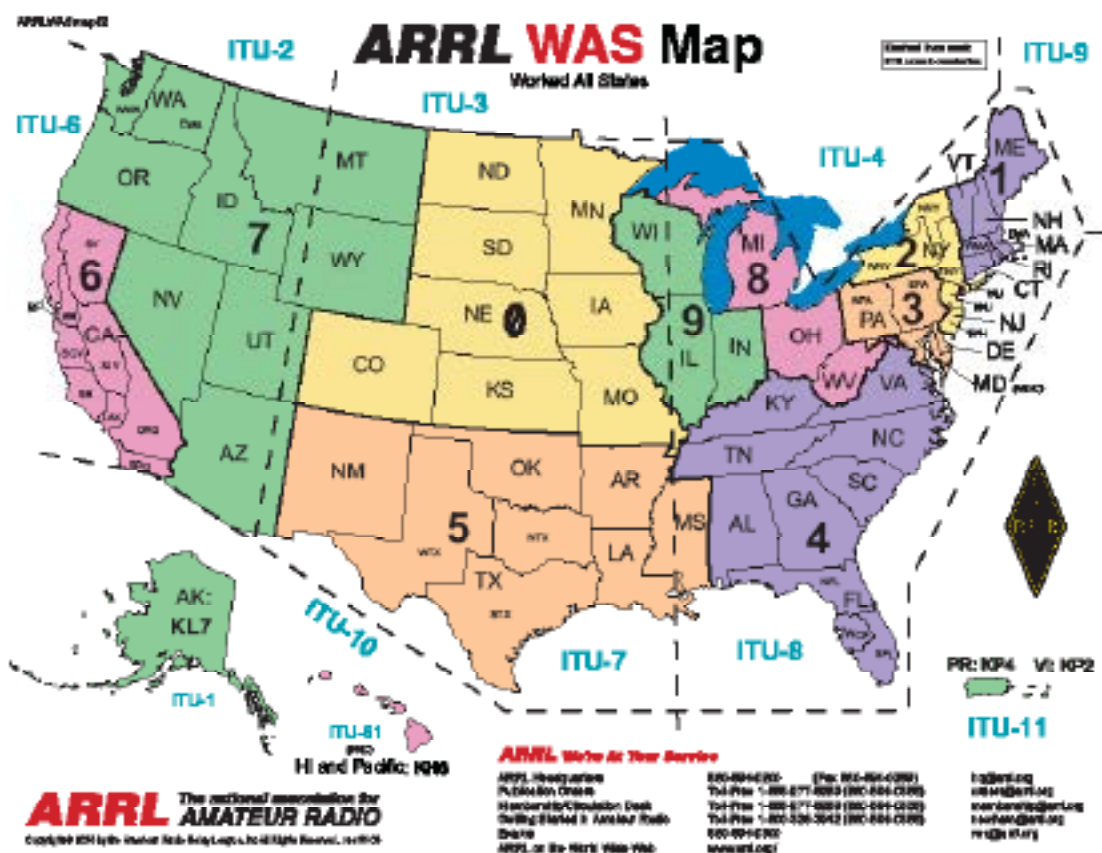
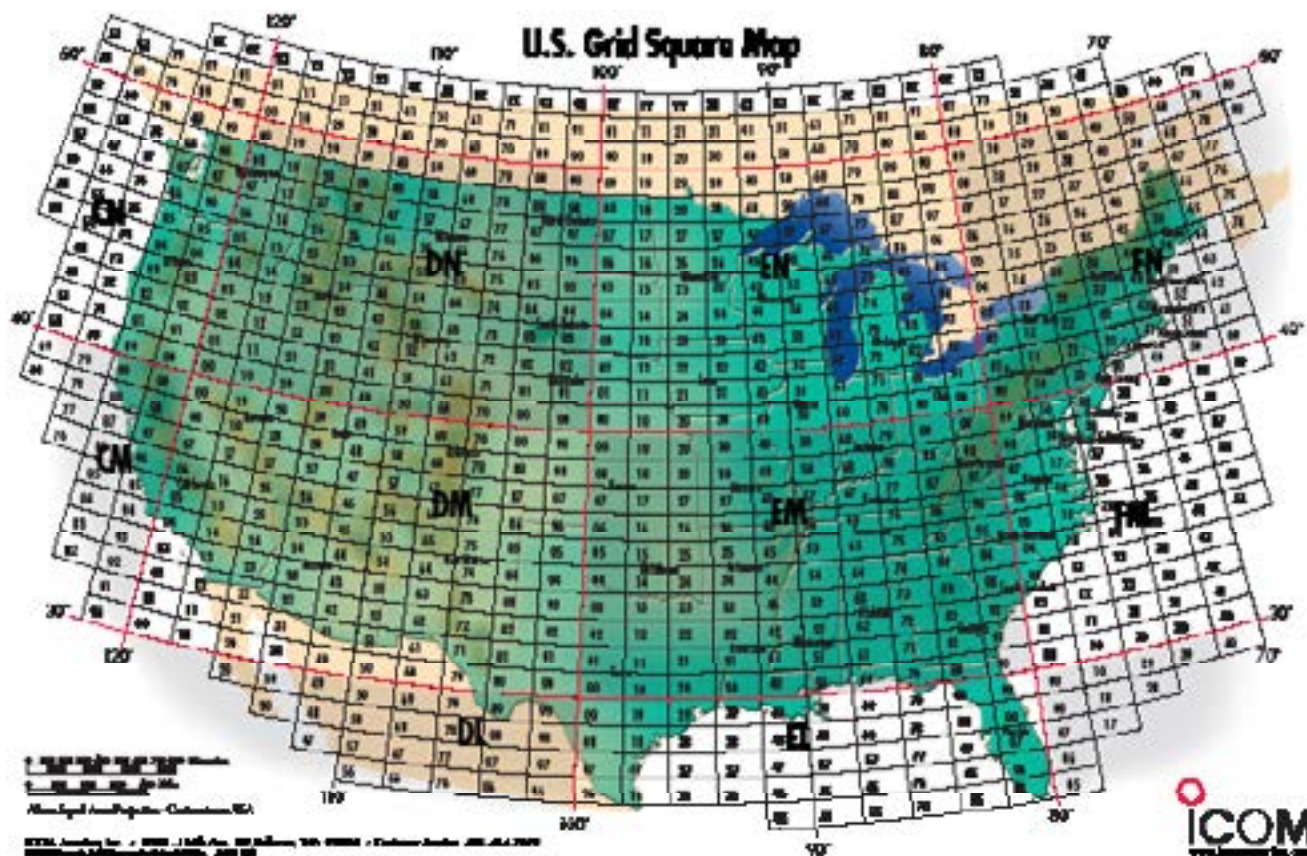


Kane County ARES

Information

[Click Here](#)







US Amateur Radio Bands

Operator license classes: **E** = Amateur Extra **A** = Advanced **G** = General **T** = Technician **N** = Novice
 CW operation is permitted throughout all amateur bands. Except as noted, all frequencies are in megahertz (MHz).

= RTTY, data, phone, image = USB phone, RTTY, data and CW = RTTY and data = phone and image
 = SSB phone = CW only

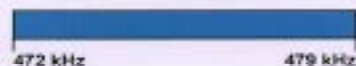
LF – Low Frequency band

2200 Meters (135 kHz) E,A,G
 1 W EIRP maximum



MF – Medium Frequency bands

630 Meters (472 kHz) E,A,G
 5 W EIRP max, except in Alaska within 496 miles of Russia where the limit is 1 W EIRP



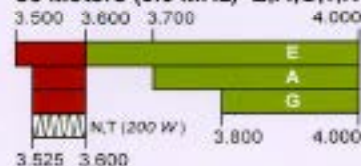
160 Meters (1.8 MHz) E,A,G



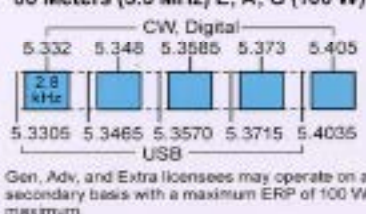
Amateurs wishing to operate on **2200 or 630 meters** must first register with the Utilities Technology Council online at <https://utc.org/plc-database-amateur-notification-process/>. You need only register once for each band.

HF – High Frequency bands

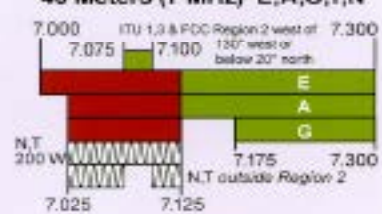
80 Meters (3.5 MHz) E,A,G,T,N



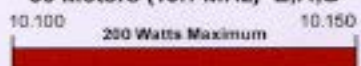
60 Meters (5.3 MHz) E, A, G (100 W)



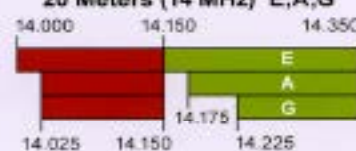
40 Meters (7 MHz) E,A,G,T,N



30 Meters (10.1 MHz) E,A,G



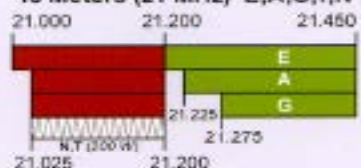
20 Meters (14 MHz) E,A,G



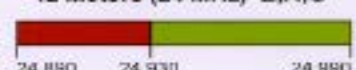
17 Meters (18 MHz) E,A,G



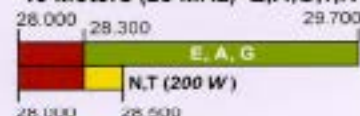
15 Meters (21 MHz) E,A,G,T,N



12 Meters (24 MHz) E,A,G

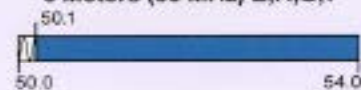


10 Meters (28 MHz) E,A,G,T,N

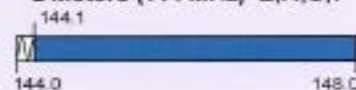


VHF – Very High Frequency bands

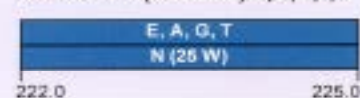
6 Meters (50 MHz) E,A,G,T



2 Meters (144 MHz) E,A,G,T

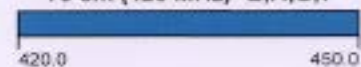


1.25 Meters (222 MHz) E,A,G,T,N



UHF – Ultra High Frequency bands

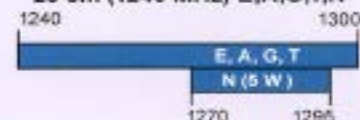
70 cm (420 MHz) E,A,G,T



33 cm (902 MHz) E,A,G,T



23 cm (1240 MHz) E,A,G,T,N



SHF&EHF – Super and Extremely High Frequency bands

All licensees except Novices are authorized all modes on the following frequencies:

2300-2310 MHz	3300-3500 MHz	10.0-10.5 GHz	47.0-47.2 GHz	122.25-123.0 GHz	241-250 GHz
2390-2450 MHz	5650-5925 MHz	24.0-24.25 GHz	76.0-81.0 GHz	134-141 GHz	All above 275 GHz

See www.arrl.org/band-plan for detailed band plans.

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 OTAbands rev. 1-22-20



FRRL



**AND OTHER
LOCAL REPEATERS**

FRRL Repeaters- W9CEQ

147.225 MHz - Plano

Mode: **Auto C4FM / Fusion, FM, Wires X**
+600 KHz Offset, 100.0 Access Tone

147.21 MHz - Elburn

Mode: FM (Echolink Available)W
+600 KHz Offset, 103.5 Access Tone

444.300 MHz - Elburn

Mode: FM
+5 MHz Offset, 114.8 Access Tone

223.86 Mhz - Aurora

Mode FM
-1.6 Mhz Offset, 110.9 access Tone

442.10625 MHz (B) - Elburn

Mode: D-Star
+5 MHz Offset



Other Area Repeaters

W9XA

53.910 - Batavia

-1.0 MHz offset PL 114.8 Hz

224.4 MHz - Batavia

-1.6 MHz offset PL 103.5 Hz

443.64375 MHz - Elburn

+5 MHz offset DMR 311759

443.65625 MHz - Plano

+5 MHz offset DMR 311760

1292.00 MHz - Batavia

-20 MHz 114.8 Access Tone

927.625 - Batavia

+25 MHz offset PL 114.8 Hz

W9DWP

145.270 MHz - Elburn

-600 KHz offset PL 107.2
ARES APCO P25 NAC 293

NIARC W9ZGP

147.06 MHz - Batavia

Mode FM +600 kHz offset PL 103.5.

Auto C4FM / Fusion, FM, Wires X Repeaters

K9IIR

442.275 MHz - Schaumburg

Mode: **Auto C4FM / Fusion, FM, Wires X**
+5 MHz, 114.8 Access Tone

W9CHI

444.600 MHz - Channahon

Mode: **Auto C4FM / Fusion, FM, Wires X 30024**
+5 MHz, 136.5 Access Tone

KD9FA

443.600 MHz - Oswego

Mode: **Auto C4FM / Fusion, FM, Wires X**
+5 MHz, 107.2 Access Tone

KC9OEM

Primary Kane County SKYWARN / ARES

145.470 MHz -St Charles

Mode: FM
-600 Offset, 103.5 KHz Access Tone



444.525 MHz -St Charles

Mode: **Auto C4FM / Fusion, FM, Wires X**
+5 MHz Offset, Access WWTone114.8

ANSWERS

Q1 "C"

Q2 "B"

